



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

647.7612
Job Sheet 181392



Part No: 647.7612

Job Qty: 50 ea

Part Name: Breakaway Tip



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 7/26/18

Job Tracking No:

Due Date: 9/10/18

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG REV N/C SHEETS 1,4 IPP REV:A NEW ISSUE 15/08/04 JFS VERIFIED BY: JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	50 Ea		9/10/18	0.00	0.00	Start Up Machining-1		
100	Bandsaw	50 pcs		9/10/18	0.00	3.33	Bandsaw1		
110	CNC Vertical Machining	50 pcs		9/10/18	0.33	33.53	HAAS1-1		
120	QC	50 pcs		9/10/18	0.00	0.00	QC1		
130	QC	50 pcs		9/10/18	0.00	0.00	QC8 Machining-1		
140	Outsource	50 pcs		9/10/18			ATG001-VC	5	
150	Packaging	50 pcs		9/10/18	0.00	0.00	Packaging2		
155	QC	50 pcs		9/10/18	0.00	0.00	QC5		
180	Packaging	50 pcs		9/10/18	0.00	0.00	Packaging3-1		
190	QC21-SA	50 Ea		9/10/18	0.00	0.00	QC21		
Part Op 100 - Cut Blank at 14.200" (1 blank makes 2 parts)									
Descriptions: 110 - 1-Machine per folio FB404									
120 - Inspect on CMM as per folio CMMA006.									
140 - Issue P/O to ATG : P004113 Hard Anodize, Color Black and Prime as Per Dwg 647.7600									
180 - ***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***									

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M7075T6B0.375X3.000	7075-T6 Plate 0.375" X 3.000", QQ-A 250/12	29.6500 ft (.593 ea)	90-Start up Operation	S104 609

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	M7075T6B0.375X3.000	30	18	0

Part Specifications

Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Breakaway Tip	0.088inches $\pm$ 0.010	0.098 0.078		
2	Breakaway Tip	45.000Degrees $\pm$ 0.500	45.500 44.500	Angle	
3	Breakaway Tip	0.371inches + 0.000 - 0.002	0.371 0.369		

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER :							

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Breakaway Tip

0.188inches + 0.005
- 0.0010.193
0.187

Diameter

Plex 7/26/18 8:02 AM Dart.lajeunesse.marie

**Container No: S111684****Part: 647.7612****Job No: 181392****Serial No/Batch: S111684****Revision:****Inspector:****Exp Date:****Instructions:****Dart Aerospace Ltd.**1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA

TEL.: 1 613 632-5200

Email: sales@dartaero.com

www.dartaerospace.com

Date: 09/20/18

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								



Dart Aerospace Ltd.
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Canada

Tel (613) 632-5200

PURCHASE ORDER **PO041133**

Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalonde, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO041133

PO Date: 9/25/18

Due Date: 10/18/18

Purchase Order
Revision:

Revision Date:

Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	178993	RBE350A94-3700-C-07	Top -Issue P/O to ATG: PO -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE-2 CLASS-2, Water sealant As Per Dwg RBE350A94-3700-C-07 Rev 6 -Certificate of Conformity is required	Firmed	-	10/18/18	40 pcs	0 pcs	40 pcs	\$4.55/pcs	\$182.00
2	181383	647.1610	Wiper Deflector Fwd Issue P/O to ATG : 1- Hard Anodize, Color Black and Prime as per Dwg, 647.1600	Firmed	-	10/18/18	40 pcs	0 pcs	40 pcs	\$11.50/pcs	\$460.00
3	182779	D5575-1	Deflector, Lower Cable Cutter : Various STC's Issue P/O to ATG : Black Anodize & Prime as per Dwg. D5575-1 Certification of Conformity is required.	Firmed	-	10/18/18	2 pcs	0 pcs	2 pcs	\$9.30/pcs	\$18.60



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PURCHASE ORDER **PO041133**

Items												
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price	
4	181917	644.4112	Spacer 1-ISSUE P/O TO ATG: _____ 2-Anodize Black -MPP-172 Section 2.1 -Hard Anodize IAW Mil-A- 8625 Type 3 Class 2 3-Certification of Conformity is required	Firmed	-	10/18/18	30 pcs	0 pcs	30 pcs	\$5.75/pcs	\$172.50	
							30 X	OCT 03 2018				
5	181392	647.7612	Breakaway Tip Issue P/O to ATG : Hard Anodize, Color Black and Prime as Per Dwg 647.7600	Firmed	-	10/18/18	50 pcs	0 pcs	50 pcs	\$11.50/pcs	\$575.00	
							50 X	OCT 17 2018				
6	182775	D5576-1	Deflector, Upper, Cable Cutter : Various STC's Issue P/O to ATG : Black Anodize & Prime as per Dwg. D5576 Certification of Conformity is required.	Firmed	-	10/18/18	2 pcs	0 pcs	2 pcs	\$10.30/pcs	\$20.60	
							2 X	OCT 10 2018				
7	181920	644.4120	Spacer, Crosstube 1-ISSUE P/O TO ATG: _____ 2-Anodize Black -MPP-172 Section 2.1 -Hard Anodize IAW Mil-A- 8625 Type 3 Class 2 3-Certification of Conformity is required	Firmed	-	10/18/18	30 pcs	0 pcs	30 pcs	\$5.75/pcs	\$172.50	
							30 X	OCT 03 2018				
Grand Total:											\$1,601.20	



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PURCHASE ORDER
PO041133

Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A022 Apical Processing

A024 process certifications

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 9/26/18 2:16 PM dart.tsimiklis.chrisoula



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 916251

Date: 17-Oct-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chrisoula Tsimiklis
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		ATG Delivery	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
2 ea	Part: D5575-1 Deflector, Lower Cable Cutter Anodize per MIL-A-8625F, Type II, Class 2, Black, .0004-.0010" (.4 - 1 mils). Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Job: 23812	Rev: A	PO: PO041133 Line: 3
50 ea	Part: 647.7612 Breakaway Tip Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils). Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0001-.0002" (.1 - 2 mils) per drawing. Job: 23814	Rev: NC	PO: PO041133 Line: 5
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>17/10/18</u> Certified Signature: <u>[Signature]</u> Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.			

Made in Canada.

